Fujitsu recommends Windows 8 Pro.

Data Sheet
Fujitsu ESPRIMO Q920 Desktop PC

The Mini with More PC per cm^3

The FUJITSU PC ESPRIMO Q920 delivers excellent performance, high energy efficiency and manageability in a mini PC. The Intel® Core™ processor and Intel® vPro™ technology support professional computing and sophisticated manageability, while the Low Power Active Mode provides businesses with a wide range of new usage scenarios like telephony and video conferencing. Enjoy a cleaner, quieter workplace with Zero Noise functionality and the small footprint of the FUJITSU PC ESPRIMO Q920.

An elegant mini PC for the modern office environment
Eye-catcher on your desk with a modern and exclusive design
- Fully equipped PC with a volume of only 1.9 liters - based on standard desktop technology

Always available office PC
Provides businesses with a wide range of new usage scenarios like telephony and video conferencing
- Combines availability with energy saving. The PC looks like it is off but background application tasks can still run in the Low Power Active Mode

Unleash the power
Latest Intel® technology to support your challenging business applications
- 4th generation Intel® Core™ processor family

Sophisticated system management
Simple system administration in complex IT infrastructures
- Intel® vPro™ technology (depending on processor) and DeskView manageability suite

Superb usability
Pleasant working environment due to a tidy desk
- Horizontal or vertical operations and an integrated VESA mount, service door for easy upgrade of major components

reddot design award winner 2012

Fujitsu recommends Windows 8 Pro.

Components

Processor	Intel® Core™ i7-4765T processor (4 Cores / 8 Threads, 2.00 GHz, up to 3.0 GHz, 8 MB, Intel® HD Graphics 4600) *
	Intel® Core™ i5-4570T processor (2 Cores / 4 Threads, 2.90 GHz, up to 3.6 GHz, 4 MB, Intel® HD Graphics 4600) *
	Intel® Core™ i3-4130T processor (2 Cores / 4 Threads, 2.90 GHz, 3 MB, Intel® HD Graphics 4400)
	Intel® Pentium® processor G3220T (2 Cores / 2 Threads, 2.60 GHz, 3 MB, Intel® HD Graphics)
	Intel® vPro™ Logo with Intel® Core i5 and Core i7 processors *with Intel® Turbo Boost Technology (clock speed and performance will vary depending on workload and other variables)
Operating systems	
Operating system	Windows 8 Pro Windows 8 Windows® 7 Professional 64-bit Windows® 7 Professional 32-bit
Memory modules	2 GB (1 module(s) 2 GB) DDR3, non-ECC, 1600 MHz, PC3-12800, SO DIMM
	4 GB (1 module(s) 4 GB) DDR3, non-ECC, 1600 MHz, PC3-12800, SO DIMM
	8 GB (1 module(s) 8 GB) DDR3, non-ECC, 1600 MHz, PC3-12800, SO DIMM
Hard disk notes	Up to 20 GB of HDD space is reserved for system recovery SSHD (Solid State Hard Disk, Hybrid drive) SSD (Solid State Disk) SED (Self-Encrypting Drive)
Hard disk drives (internal)	SSHD SATA III, 5400 rpm, 500 GB, 2.5-inch
	SSD SATA III Premium, 256 GB, 2.5-inch
	SSD SATA III Premium, 128 GB, 2.5-inch
	SSD SATA III, 256 GB, 2.5-inch
	SSD SATA III, 128 GB, 2.5-inch, SED
	SSD SATA III, 128 GB, 2.5-inch
	mSATA, 32 GB
	HDD SATA II, 7200 rpm, 500 GB, 2.5-inch
	HDD SATA II, 7200 rpm, 320 GB, 2.5-inch
	HDD SATA II, 5400 rpm, 1000 GB, 2.5-inch*
	HDD SATA II, 5400 rpm, 750 GB, 2.5-inch*
	HDD SATA II, 5400 rpm, 500 GB, 2.5-inch*
	HDD SATA II, 5400 rpm, 320 GB, 2.5-inch*
Graphics	DP to DVI-D (single link) Adapter Cable
Drives (optional)	BD Triple Writer SATA Slot-in slim
	DVD Super Multi Slot-in slim
Interface add on cards/components (optional)	
	WLAN 802.11 b/g/n (2x2) and Bluetooth (dedicated regions only)
Base unit	ESPRIMO Q920
Mainboard	
Mainboard type	D3233
Formfactor	proprietary
Chipset	Intel® Q87
Processor socket	LGA 1150
Processor quantity maximum	1
Memory slots	2 SO DIMM (DDR3, 1600 MHz)

Fujitsu recommends Windows 8 Pro.

Mainboard	
Supported capacity RAM (max.)	16 GB
Memory frequency	1600 MHz
Memory notes	Dual channel support. For dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same
LAN	10/100/1000 MBit/s Intel® I217LM
Integrated WLAN	1 (optional with Bluetooth together)
BIOS version	AMI Aptio 4.6
BIOS features	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI)
Audio codec	Realtek ALC671
Audio features	Buzzer
I/O controller on board	
Serial ATA total	2
thereof SATA III	2
Controller functions	Serial ATA II (3 Gbit) Serial ATA III (6 Gbit) NCQ AHCI Intel® Smart Response Technology (depending on CPU)
Interfaces	
Audio: line-out / headphone	1
Audio: line-in / microphone	1
USB 2.0 total	2
USB 3.0 total	4
USB front	2x 3.0
USB rear	2x 2.0 and 2x 3.0
VGA	1 (via DVI to VGA adapter, part of shipment)
DisplayPort	1
DVI	1 (DVI-I)
Ethernet (RJ-45)	1
Kensington Lock support	1
Multicardreader	1 (SD, MMC)
Interface Module notes	Anytime USB charge functionality
Input device / components	
	Optical USB wheel mouse
Input devices (optional)	KBPC PX ECO Mouse M440 ECO
Drive bays	
Drive bays total	3
2.5-inch internal bays	1
5.25-inch external bays	1
Drive bay notes	slim slot-in for 5.25"; mSATA connector internal
Graphics on board	
Graphics brand name	Intel® HD Graphics 4600
Shared video memory	up to 1782 MB

Graphics on board	
TFT resolution (VGA)	1024 x 768 pixel 1280 x 1024 pixel 1360 x 768 pixel 1440 x 900 pixel 1600 x 900 pixel 1600 x 1200 pixel 1680 x 1050 pixel 1920 x 1080 pixel
TFT resolution (DVI)	1280 x 1024 pixel 1360 x 768 pixel 1440 x 900 pixel 1600 x 900 pixel 1680 x 1050 pixel 1920 x 1080 pixel 1920 x 1200 pixel
TFT resolution (DisplayPort)	1280 x 1024 pixel 1360 x 768 pixel 1440 x 900 pixel 1600 x 900 pixel 1680 x 1050 pixel 1920 x 1080 pixel 1920 x 1200 pixel 2560 x 1440 pixel 2560 x 1600 pixel 3840 x 2160 pixel (requires Intel® Core™ i3, i5 or i7 processor)
Graphics features	Dual display support DirectX® 11.1 HDCP support Open GL® 3.3 Open CL® 1.2 One DisplayPort connector can be converted to DVI-D or HDMI with an optional external adapter
Graphics notes	up to 1 GB dedicated video memory (main memory owned and locked for graphics use) Tested resolutions, depending on display type additional resolutions and frequencies possible Shared memory depending on main memory size and operating system Resolution (color depth up to 32 Bit/pixel) For TFT we recommend using 60Hz
Electrical values	
Power efficiency note	power supply efficiency (at 115V/230V; 10% / 20% / 50% / 100% load) : 83% / 87% / 90% / 88%
Rated voltage range	100 V - 240 V
Rated frequency range	50 Hz - 60 Hz
Operating voltage range	90 V - 264 V
Operating line frequency range	47 Hz - 63 Hz
Max. output of single power supply	65 W (integrated in system)
Power factor correction/active power	No (meets input harmonic current according EN61000-3-2)
Monitor outlet	No
Power consumption	
Power consumption note	See white paper Energy Consumption
Link to Energy White Paper	http://docs.ts.fujitsu.com/dl.aspx?id=24bba5ed-ece5-4a73-b025-b090d771f7fb
Heat dissipation	
Heat dissipation notes	See white paper Energy Consumption
Noise emission	
Related Processors for noise	Intel® Core™ i5 4570T
Standard noise emission	2x2 GB, HDD, ODD, Windows According to ISO 7779:2010, ECMA-74

Noise emission	
Standard noise notes / description	A-weighted sound power level Lwad (in B) / Workplace related A-weighted sound pressure level LpAm (in dB(A))
Standard noise operation mode: HDD load	3.0 B / 17 dB(A) Bystander ; 17 dB(A) Operator position
Standard noise operation mode: Idle mode	SSD: no noise emmision, 2.5" HDD: 3.0 B / 17 dB(A) Bystander ; 17 dB(A) Operator position
Standard noise operation mode: ODD load	4.5 B / 31 dB(A) Bystander ; 34 dB(A) Operator position
Standard noise operation mode: Office applications 2.0	SSD: no noise emmision, 2.5" HDD: 3.0 B / 17 dB(A) Bystander ; 17 dB(A) Operator position
Blue angel noise emission according certification	According to ISO 7779:2010, ECMA-74 for max. possible configuration
Blue angel noise notes / description	A-weighted sound power level Lwad (in B); 1B = 10dB
Blue angel noise operation mode: HDD load	3.1 B = 31 dB
Blue angel noise operation mode: Idle mode	3.1 B = 31 dB
Blue angel noise operation mode: ODD load	4.7 B = 47 dB

Dimensions / Weight / Environmental	
Dimensions (W x D x H)	185 x 188 x 54 mm 7.29 x 7.41 x 2.13 inch
Operating position	Vertical / horizontal (no feet needed)
VESA mount	integrated (100mm), applicable for selected monitors only, additional mounting kit for specific monitors optional
Weight	1.6 kg
Weight (lbs)	3.53 lbs
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	10 - 35 °C (50 - 95 °F)

Compliance	
Product	ESPRIMO Q920
Model	MPC2
Germany	TÜV GS Blauer Engel / Blue Angel
Europe	CE Nordic Swan
USA/Canada	FCC Class B cCSAus
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® 5.0 (dedicated regions) EPEAT® Gold (dedicated regions)
Compliance notes	This product is free of poly®vinyl chloride (PVC) when ordered with the optional PVC free power cord
Compliance link	http://globalsp.ts.fujitsu.com/sites/certificates

Additional Software	
Additional software (preinstalled)	Workplace Protect (secure authentication solution) Adobe® Reader® (pdf reader) McAfee Multi Access Security (anti-virus and internet security software; 60 days trial version) Win7: Fujitsu Recovery (hard disk based recovery) Win8: Microsoft Push Button Recovery (hard disk based recovery) Microsoft Office (buy license to activate the pre-installed Microsoft Office)

Fujitsu recommends Windows 8 Pro.

Additional Software	
Additional software (optional)	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD) CyberLink PowerDVD BD (playback software for Blu-ray Disc™) CyberLink PowerDVD DVD (playback software for DVD) Nero Essentials XL
Miscellaneous	
	Thermal management Extended lifetime
Compatibility (references)	
	DMI 2.0 PC 2001 WMI 1.5 USB 2.0 SMBIOS
Manageability	
Manageability technology	DeskUpdate Driver management PXE 2.1 Boot code Wake up from S5 (off mode) Intrusion switch (optional) iAMT 9.0 (depending on CPU) WoL (Wake on LAN)
Manageability software	DeskView Client DeskView Instant BIOS Management DeskView Integration for Symantec Management Platform
DeskView components	Inventory Management BIOS Management Driver Management Security Management Alarm Management
Manageability link	http://www.fujitsu.com/fts/manageability
Security	
Physical Security	Kensington Lock support Intrusion switch (optional) Housing Lock Plate (to use with Kensington lock)
System and BIOS Security	EraseDisk (optional) Boot sector virus protection Write protect option for the Flash EPROM Embedded security (TPM 1.2) Control of all USB interfaces External USB ports can be disabled separately Control of external interfaces
User Security	User and supervisor BIOS password Hard disk password Access protection via external SmartCard reader (optional)
Packaging information	
Packaging dimension (mm)	395 x 198 x 284 mm
Packaging dimension (inch)	15.55 x 7.8 x 11.18 inch
Max. quantity / pallet	84
Material - Weight (g) Carton	670 g
Material - Weight (lbs) Carton	1.48 lbs
Material - Weight (g) EPS / PS	10 g
Material - Weight (lbs) EPS / PS	0.02 lbs
Material - Weight (g) PE	125 g
Material - Weight (lbs) PE	0.28 lbs

Packaging information	
Packaging notes	If keyboard is inlcuded in packaging: 1.)packaging dimension is increasing to: 500 x 208 x 290mm / (19.69 x 8.19 x 11.42 inch); 2.) material weight of carton will increase to 880g; 3.) max. quantity/pallet = 56; printed user documentation is bleached in chlorin free process;

Warranty	
Standard Warranty	3 years (depending on country)
Service level	Bring-In / Onsite Service (for countries within region FTS CEMEA&I, for all other countries depending on local regulations, minimum: 2 years material warranty)
Warranty Terms & Conditions	http://support.ts.fujitsu.com/warranty
Maintenance and Support Services - the perfect extension	
Recommended Service	9x5, Response Time: Next Business Day
Spare Parts availability	5 years after end of product life
Service Weblink	http://www.fujitsu.com/fts/services/support

Recommended Accessories

USB 3.0 Port Replicator PR08

The Fujitsu USB 3.0 Port Replicator PR08 is the solution for notebooks without a dedicated docking connector or in hot-desk environments. You can connect to the local area network, and to all of your peripherals with a single USB 3.0 plug and boost your productivity by extending your workspace over up to four displays.

Order Code: S26391-F6007-L400

Bluetooth® Mouse V470

The latest Bluetooth technology makes cables a thing of the past. The Bluetooth® Mouse V470 has a sensitive laser sensor with a resolution of 1.000 dpi. This delivers smoother cursor control on nearly any surface. Scroll horizontally or vertically with the 4-way tilt scroll wheel and take it wherever you go.

Order Code: LTC:M-RCQ142

CELVIN® Drive M200

The CELVIN Drive M200 is an ultra-portable and high-class storage device. Since it is compatible with USB3.0 and USB 2.0, it can be used with a large variety of devices. It is ideal for notebook and desktop users. It makes data backup easier and faster than ever.

Order Code: S26341-F103-L999

SOUNDSYSTEM DS E2000 Air

The new more powerful SOUNDSYSTEM DS E2000 Air gives you impressive, well-balanced sound throughout the frequency band. It is an unbeatable USB speaker set with a surprisingly small form factor. The robust satellite speakers are decorated with a deluxe piano finish and the base is adorned with warm ambient lighting.

Order Code: S26391-F7128-L600

Fujitsu recommends Windows 8 Pro.

More information

Fujitsu OPTIMIZATION Services

In addition to Fujitsu ESPRIMO Q920, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio
Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing Products
www.fujitsu.com/global/services/computing/

Software
www.fujitsu.com/software/

More information

Learn more about Fujitsu ESPRIMO Q920, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/fts/ESPRIMO

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.
Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT.
Please find further information at http://www.fujitsu.com/global/about/environment

Green Policy Innovation

Copyrights

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.
For further information see www.fujitsu.com/terms
Copyright © Fujitsu Technology Solutions

Disclaimer

Technical data are subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

Contact
FUJITSU Technology Solutions
Website: www.fujitsu.com/fts
2013-12-16 CE-EN

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.
For further information see www.fujitsu.com/terms
Copyright © Fujitsu Technology Solutions